

# **CECIL COUNTY**

# **KENT COUNTY, MARYLAND**

## ***REFERENCE TIDE GAUGE - TOLCHESTER BEACH***

The Tolchester Beach tide gauge is located in western Kent County.

High tide at Charlestown (Cecil County) occurs about 3¼ hours later than the high tide at Tolchester Beach. Low tide is around 3½ hours later.

Historically, in Cecil County and Kent County moderate to major tidal flooding has only occurred with a southerly flow. Northeasters tend to produce minor tidal flooding at most in the two counties.

### ***Cecil County***

#### **In the lower part of the moderate range:**

Flooding occurs in Charlestown along the North East River.

### ***Kent County***

#### **In the upper part of the minor range:**

Flooding begins in Rock Hall, Skinners Neck, Piney Neck, McKinleyville and Cliffs City.

Flooding occurs along the Chester River in Chestertown and also south of Chestertown along Quaker Neck Road.

### ***Data Acquisition***

In order to access data from the Tolchester Beach gauge, use the National Ocean Service web site at <http://tidesonline.nos.noaa.gov/> or the Advanced Hydrologic Prediction Service site at <http://water.weather.gov/ahps2/index.php?wfo=phi>.

## ***REFERENCE TIDE GAUGE - TOLCHESTER BEACH***

The tide heights from actual events referenced in the following table are those that were verified by the National Ocean Service.

THE PERIOD OF RECORD FOR THE TOLCHESTER BEACH GAUGE BEGINS IN JUNE 1971. PLEASE NOTE THAT THERE ARE GAPS WITHIN THE PERIOD OF RECORD DUE TO EQUIPMENT OUTAGES AND/OR DATA AVAILABILITY.

ALL HEIGHTS ARE IN MEAN LOWER LOW WATER (MLLW).

7.9 FT — September 19, 2003 (Hurricane Isabel).

**5.5 FT — MAJOR TIDAL FLOODING BEGINS.**

4.9 FT — September 7, 1996 (Hurricane Fran) / September 27, 2009.

4.8 FT — October 30, 2012 (Post Tropical Cyclone Sandy).

4.6 FT — March 19, 1983.

**4.5 FT — MODERATE TIDAL FLOODING BEGINS.**

January 25, 2010 / October 4, 2014.

**3.8 FT — COASTAL FLOOD ADVISORY THRESHOLD.**

**3.5 FT — MINOR TIDAL FLOODING BEGINS.**